

## COMMON LASER RANGEFINDER (CLRF)

### DESCRIPTION

The Common Laser Rangefinder (CLRF) program is the single program of record responsible for fulfilling existing and future Marine Corps requirements for precision targeting laser rangefinders. CLRF is currently fielding the VECTOR 21B (AN/PEQ-13). The CLRF is a lightweight, class 1 eye-safe, targeting laser rangefinder capable of being carried and employed by a single Marine. It assists the operator in determining target location by measuring distance, direction, and vertical angle from the operator to the object through the use of digital magnetic compass technology. The CLRF aids target detection, recognition, and identification by providing optics similar in magnification and field of view to the M-22 binoculars. The CLRF interfaces with PLGR, DAGR, Target Handoff System, D-DACT, and the AN/PVS-14 for night operations.

### OPERATIONAL IMPACT

The AN/PEQ-13 provides forward observers and forward air controllers a man portable tool that assists in target detection, recognition, identification, and location. It provides a target location error of 50m or less at a distance of 5 Km and 100m at a distance of 10 Km. The CLRF has a 7x internal magnification and

an external optical enhancer that provides a total magnification of 10x. It is fielded with the DAGR which, when used with the VECTOR-21B, provides a 10-digit grid coordinate to the target that can be used to create an indirect fire mission. It is also fielded with the AN/PVS-14 monocular night vision sight which allows for low light and nighttime operation. The AN/PEQ-13 can also be integrated with the AN/PAS-22 Long Range Thermal Imager to provide locations of targets at greater ranges at night.

### PROGRAM STATUS

CLRF is currently in the production and deployment life cycle phase. Initial operational capability occurred in May 2005 with fielding to units in Iraq and Afghanistan. Approximately 1267 systems of the total CLRF Approved Acquisition Objection (AAO) (2044 systems) have been fielded to date. The AAO is anticipated to increase to 2200.

Procurement Profile:	FY2008	FY2009
Quantity	TBD	TBD

Developer/Manufacturer:  
Vectronix, Switzerland

Importer: Ashbury International Group,  
Charlottesville, VA